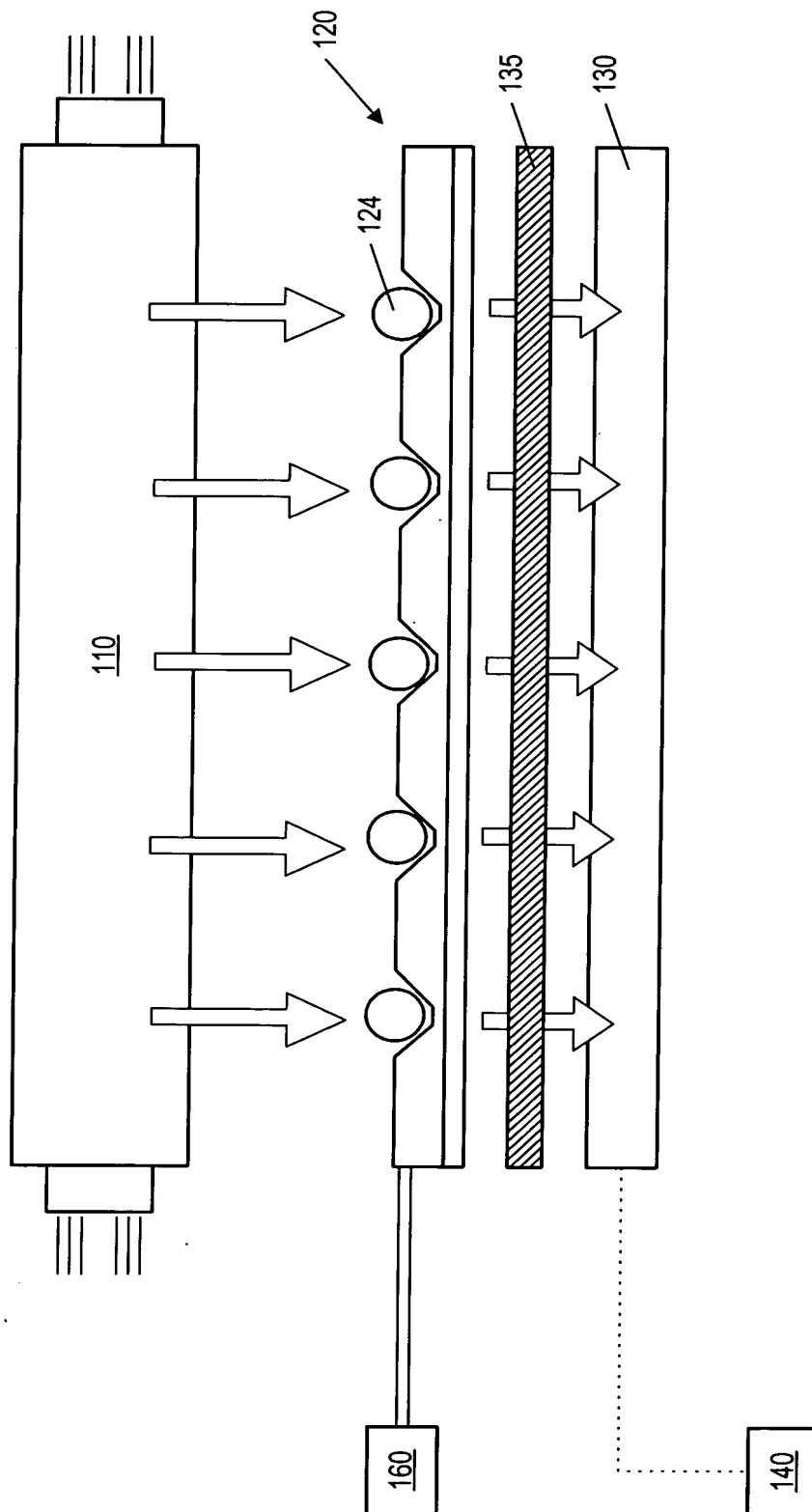


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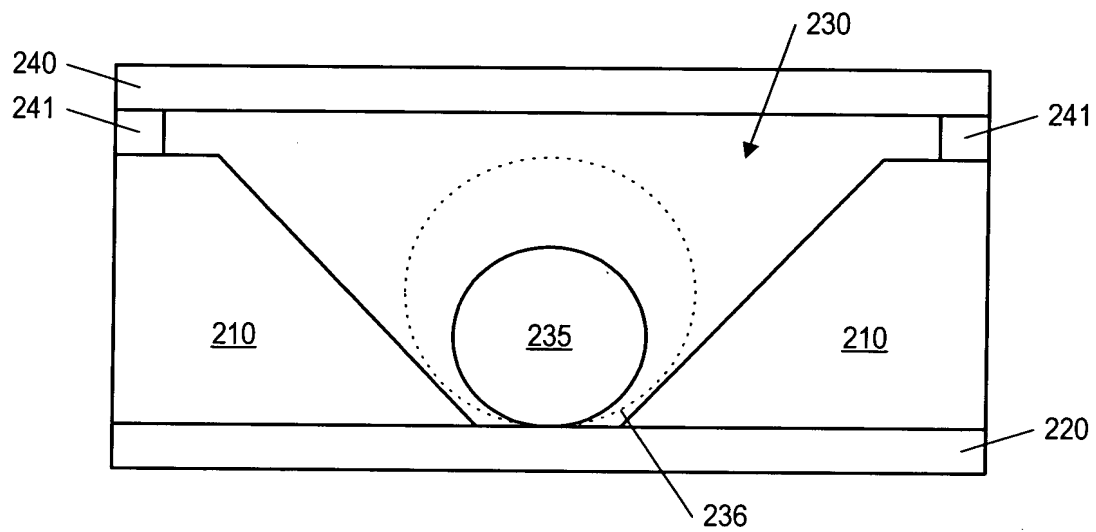


FIG. 2

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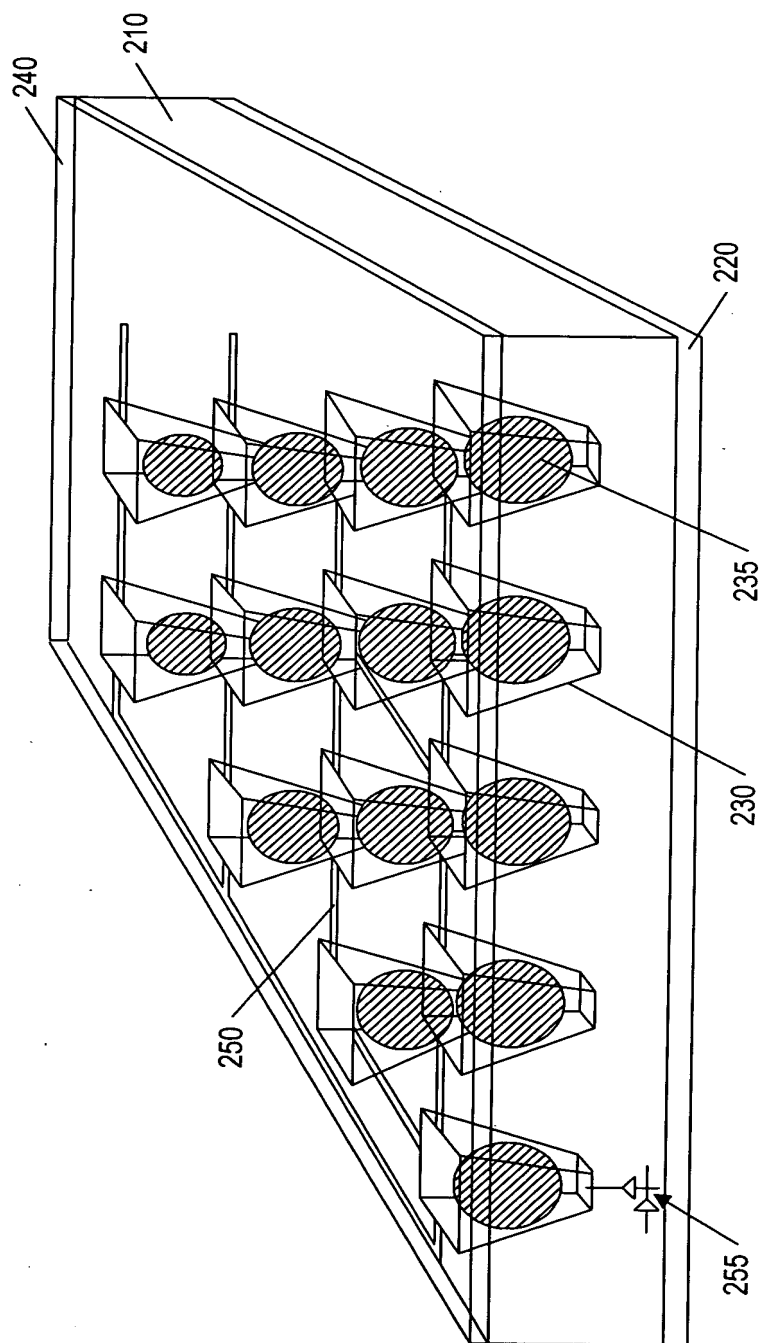


FIG. 3



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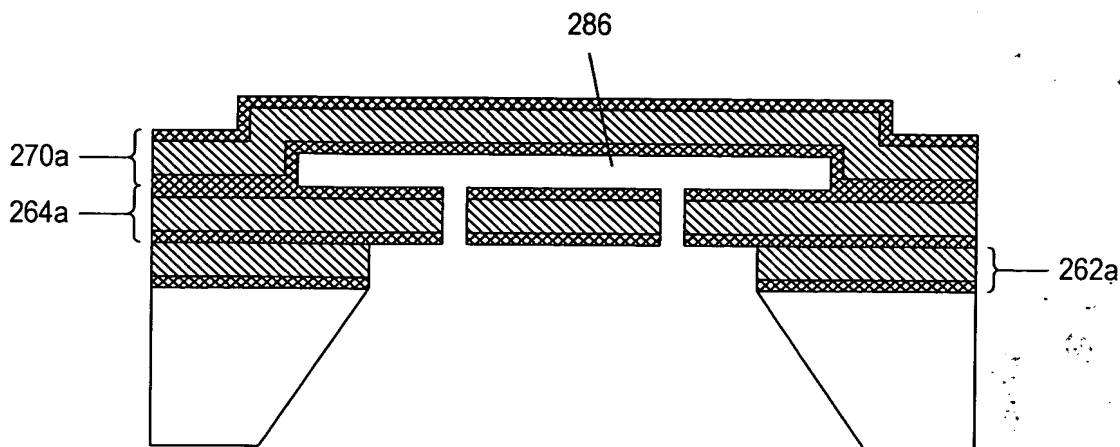


FIG. 4D

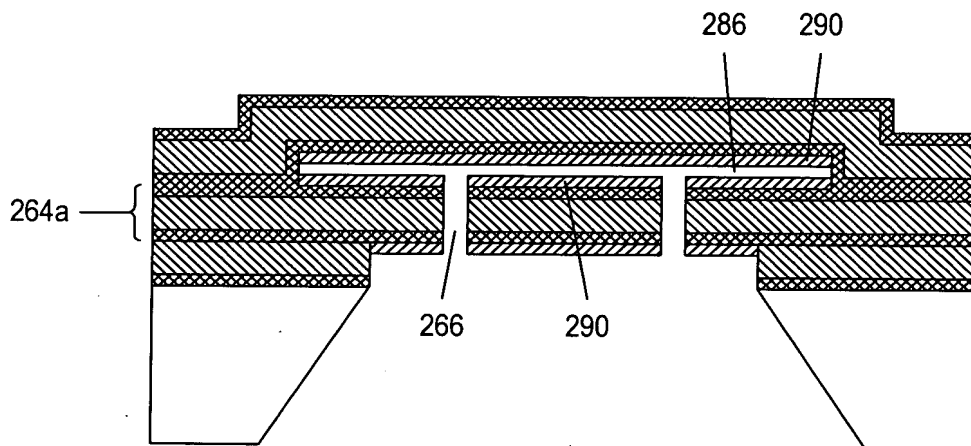


FIG. 4E

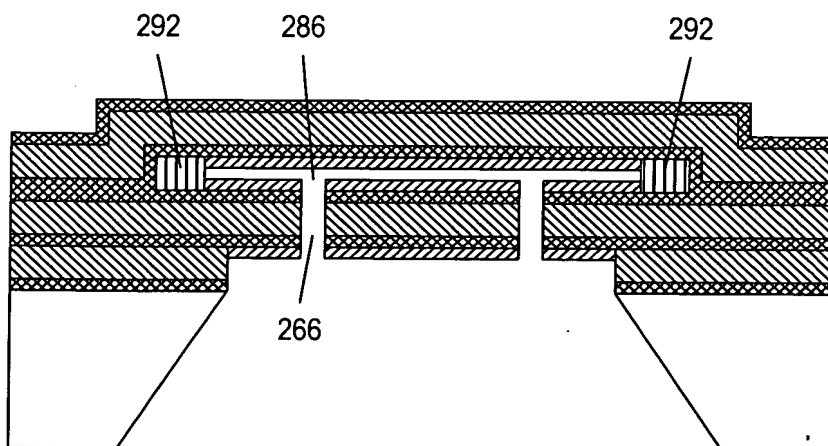


FIG. 4F

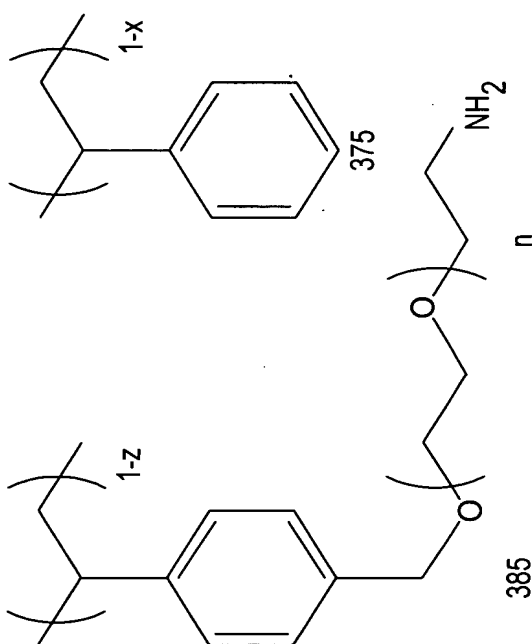
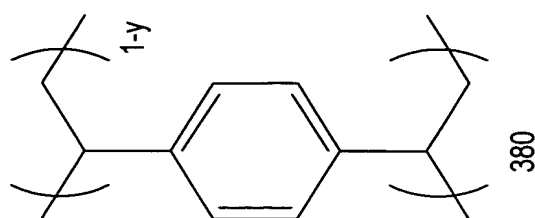


FIG. 5

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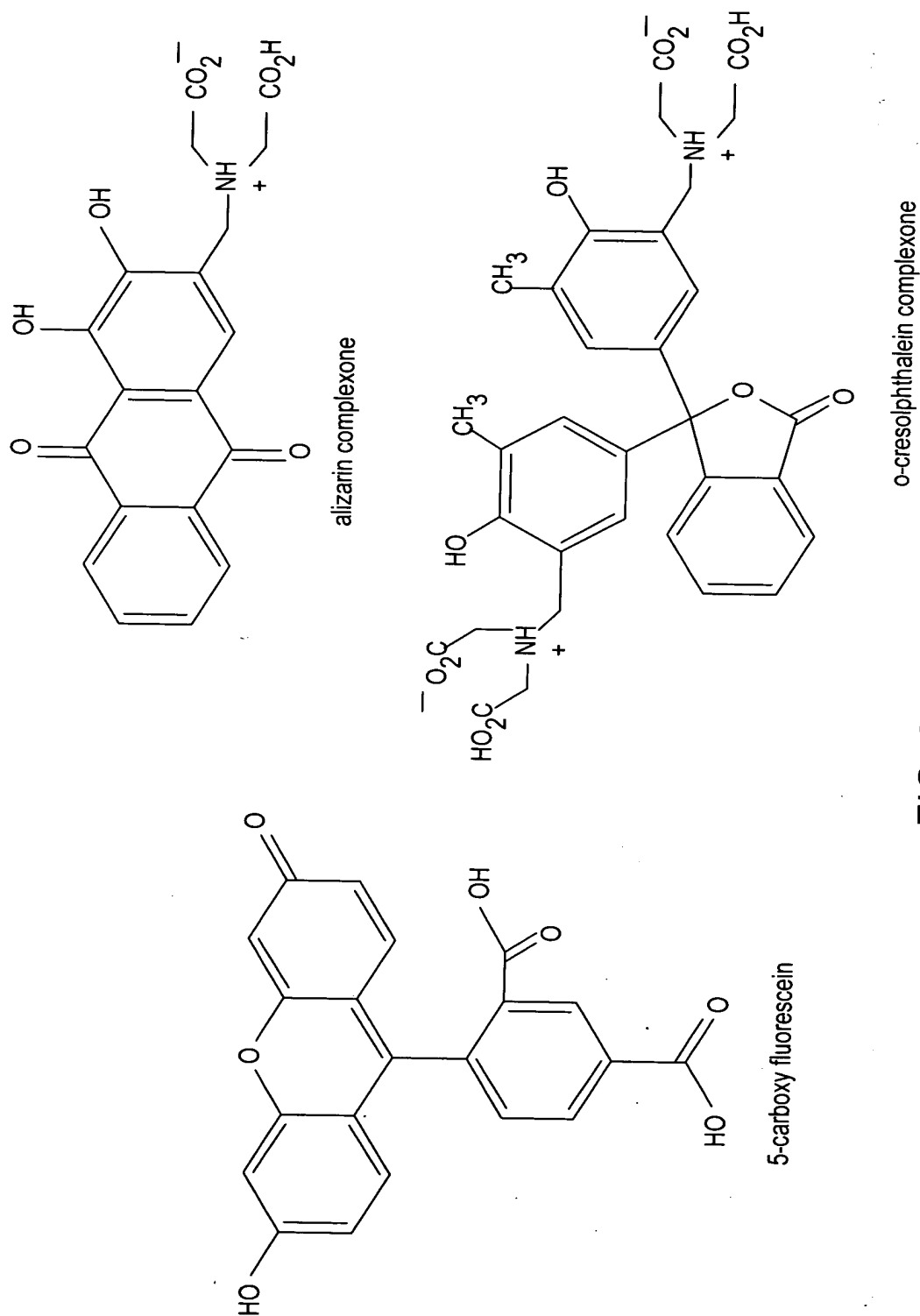


FIG. 6

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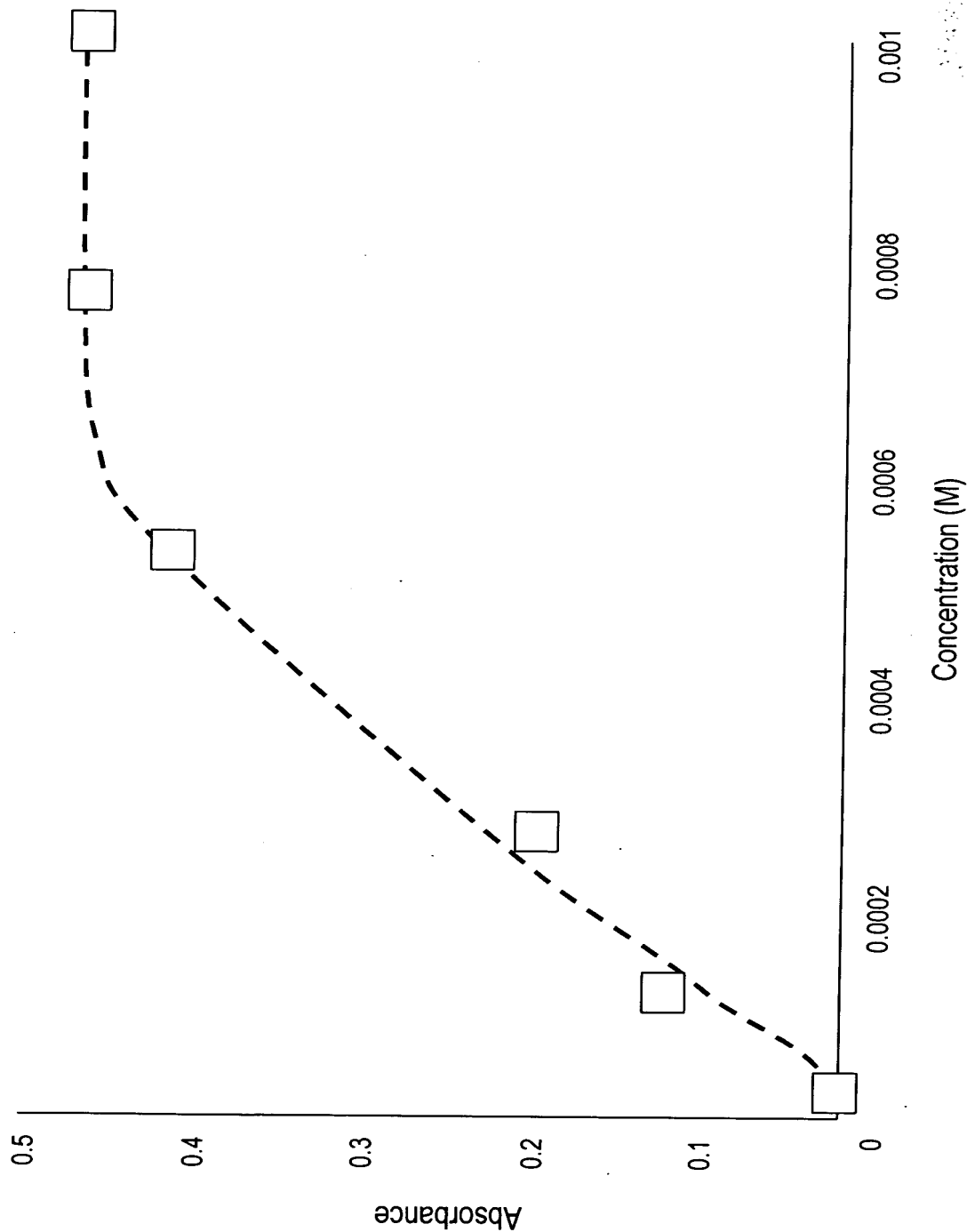


FIG. 7



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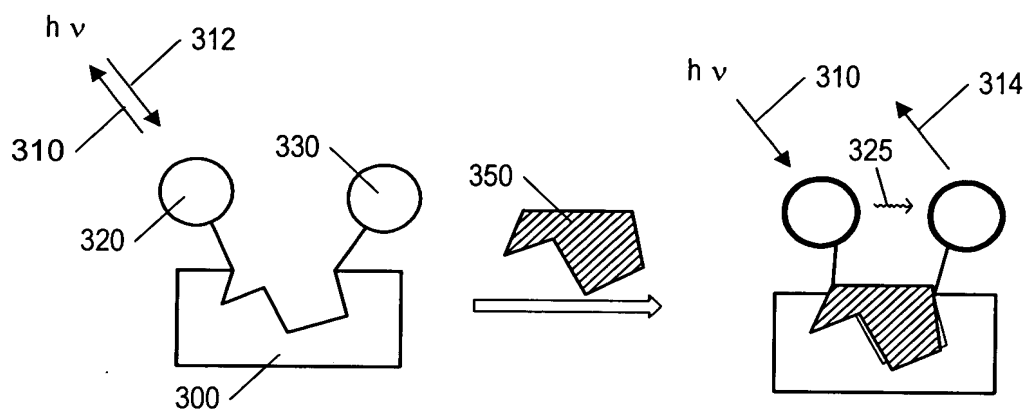


FIG. 8

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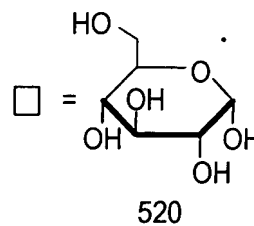
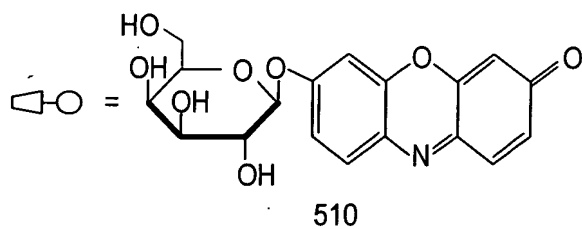
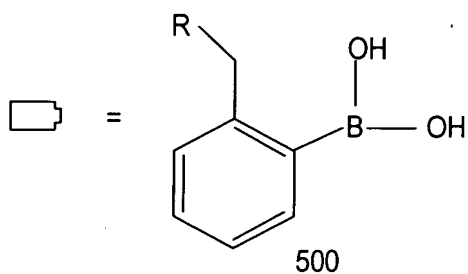
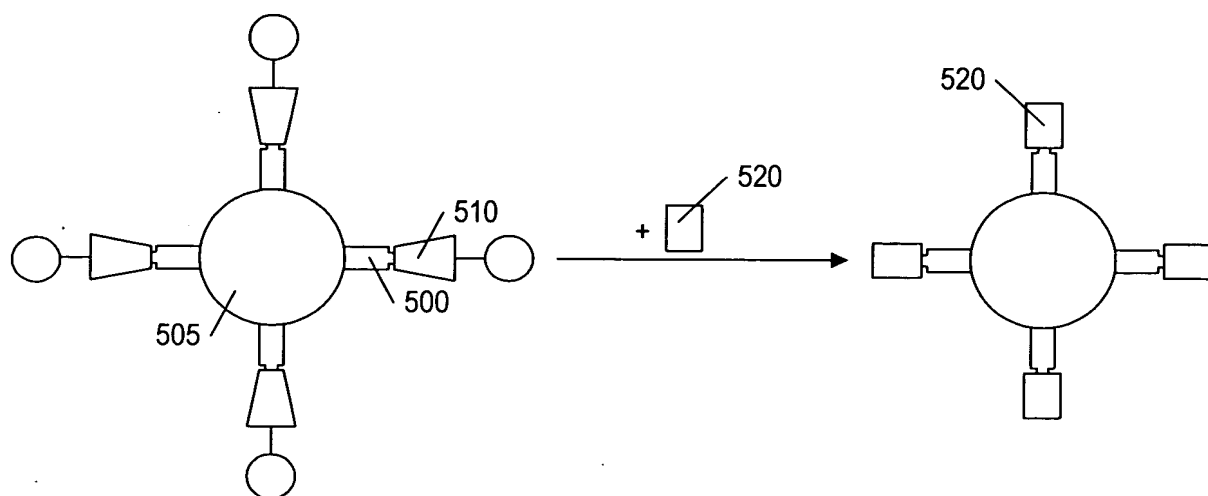
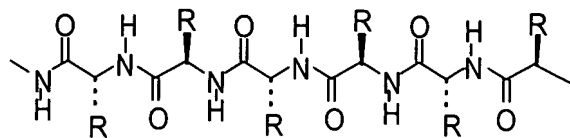
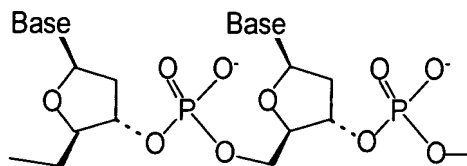


FIG. 9

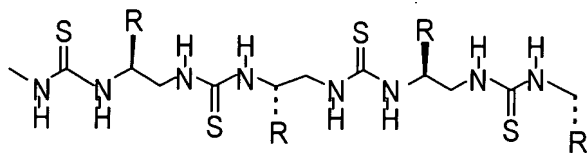
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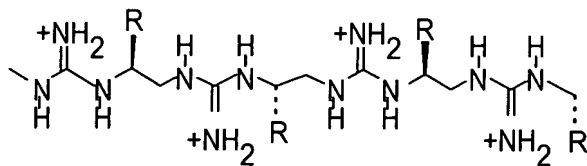
Peptides



Nucleotides



Polythioureas



Polyguanidiniums

FIG. 10

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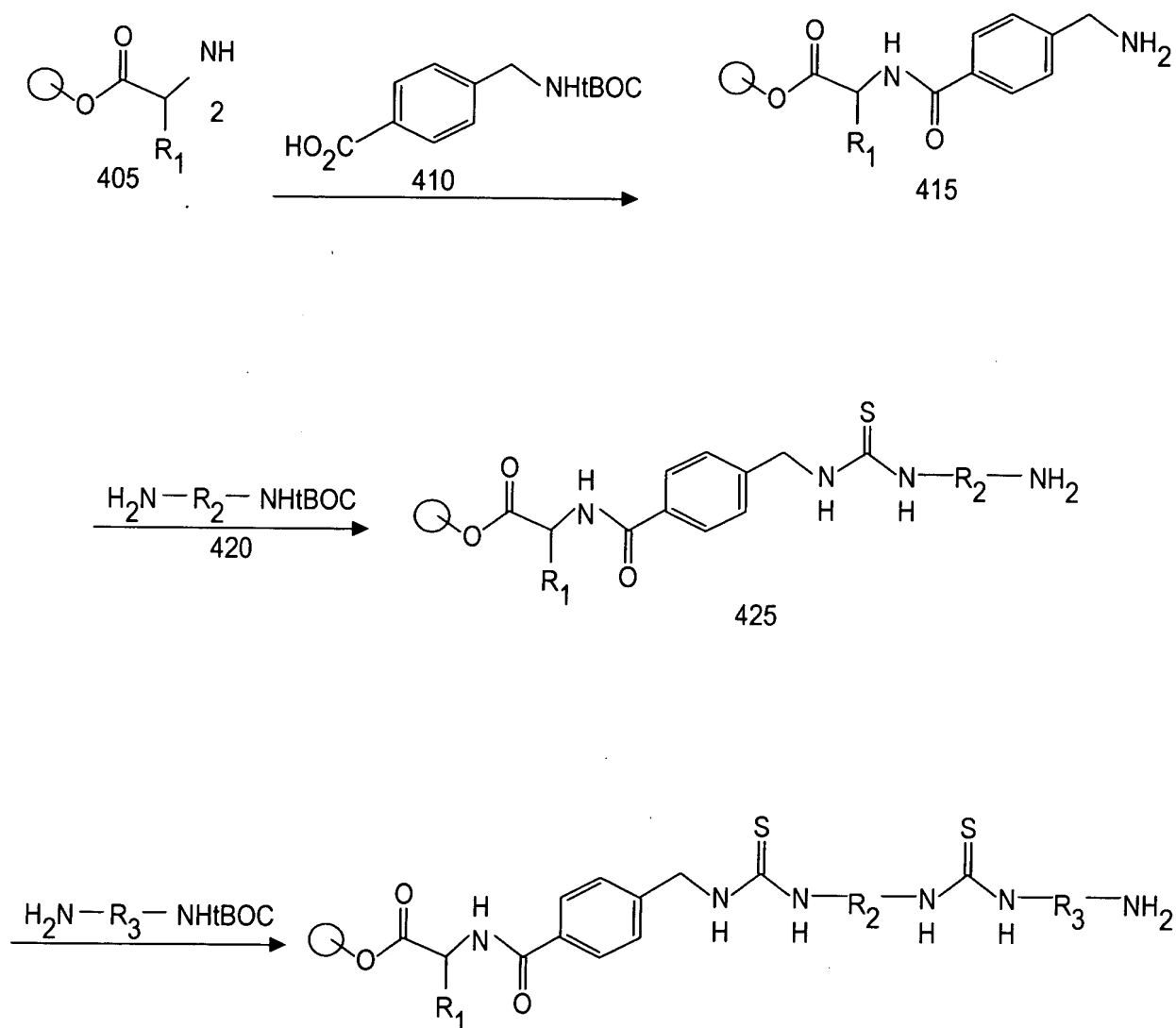


FIG. 11

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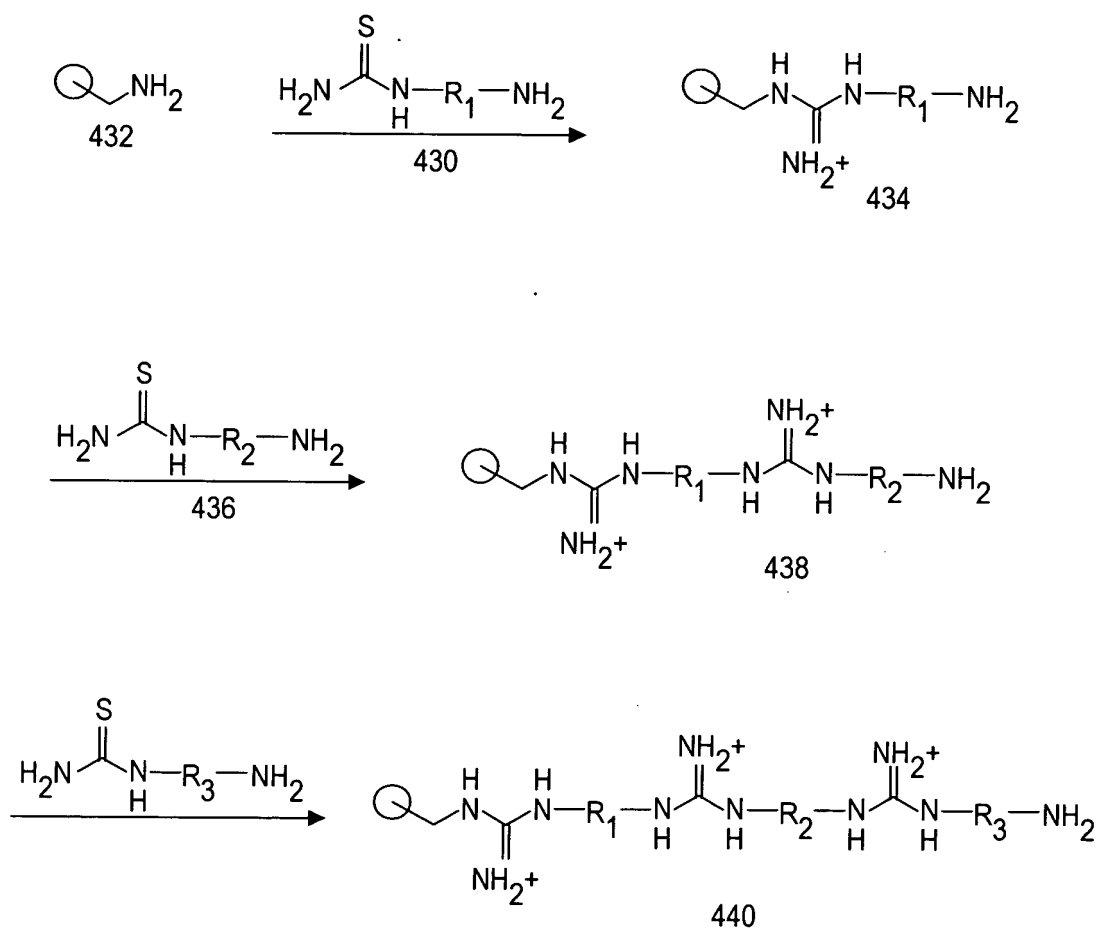


FIG. 12

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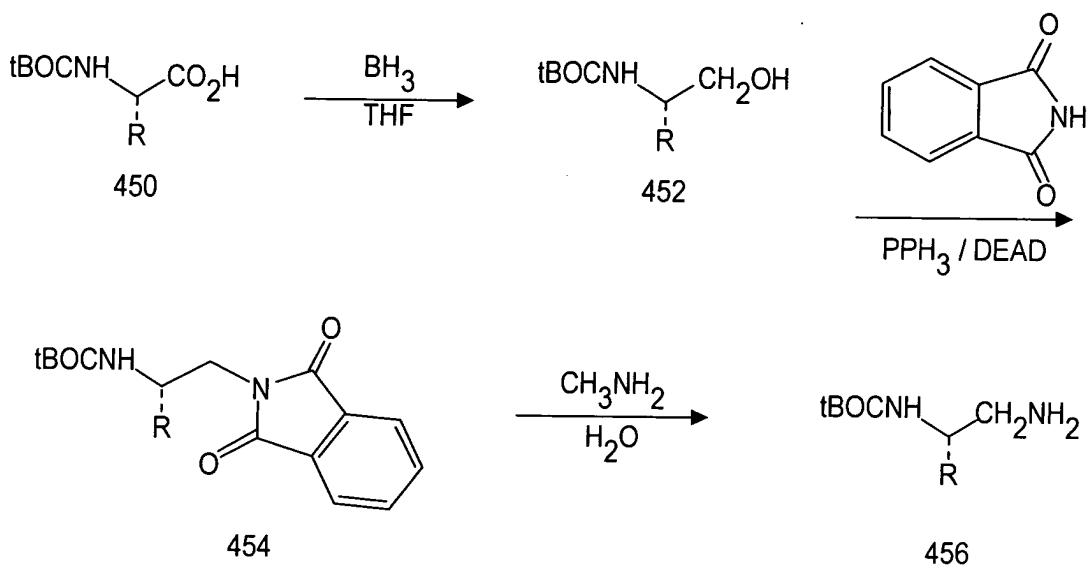


FIG. 13

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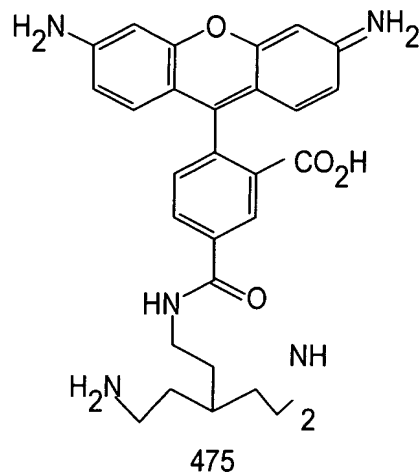
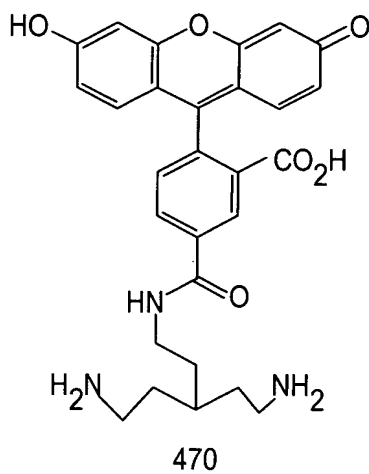


FIG. 14

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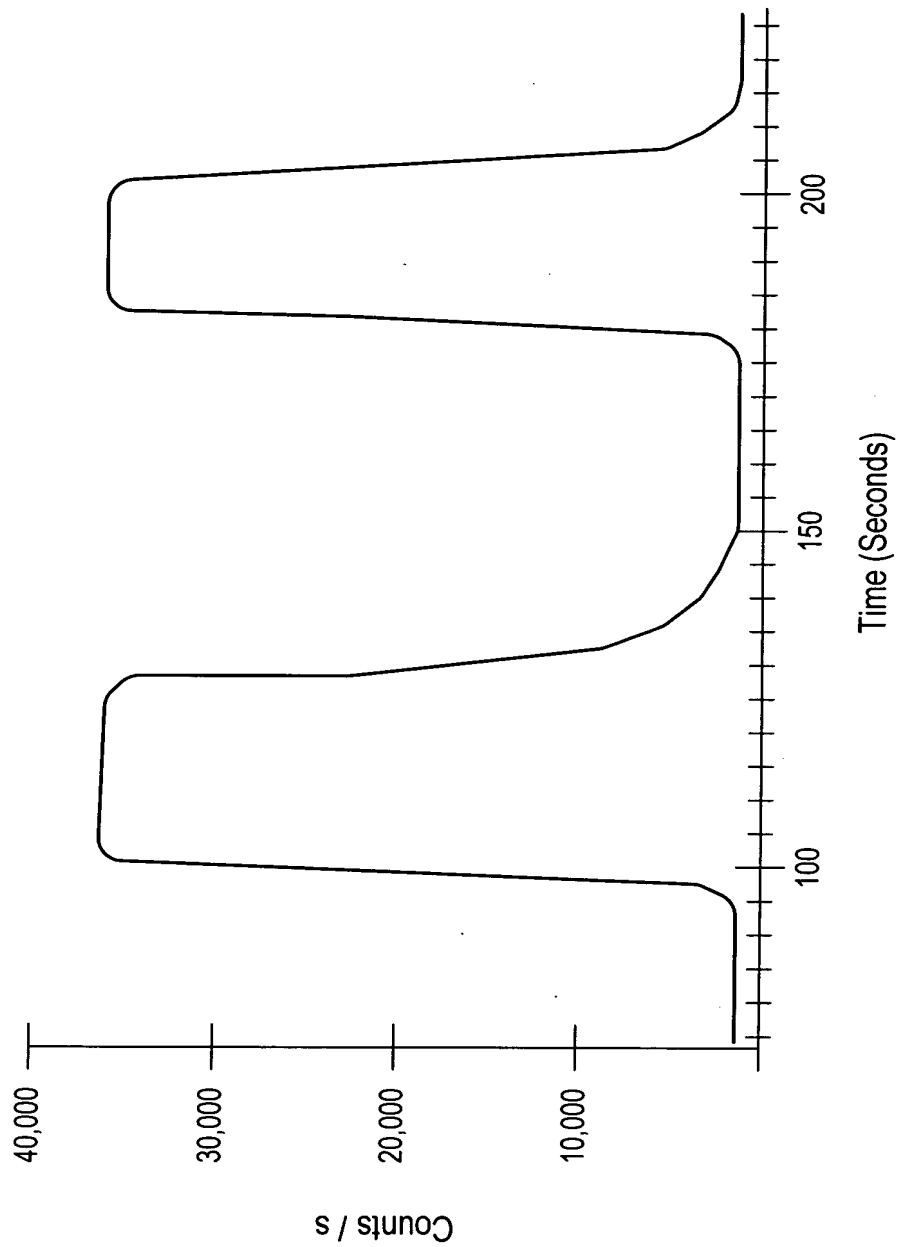


FIG. 15



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RESIN: pH Ion		Blank	Alizarin	o-Cresol- phthalein	Fluorescein	Alizarin-Ce <sup>3+</sup> complex
2	none					
2	Ca <sup>2+</sup>					
7	none					
7	Ca <sup>2+</sup>					
7	F <sup>-</sup>					
12	none					
12	Ca <sup>2+</sup>					
12	F <sup>-</sup>					

FIG. 16